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VR-MX

Wide Dispersion Home Theater Surround Speaker

Boston

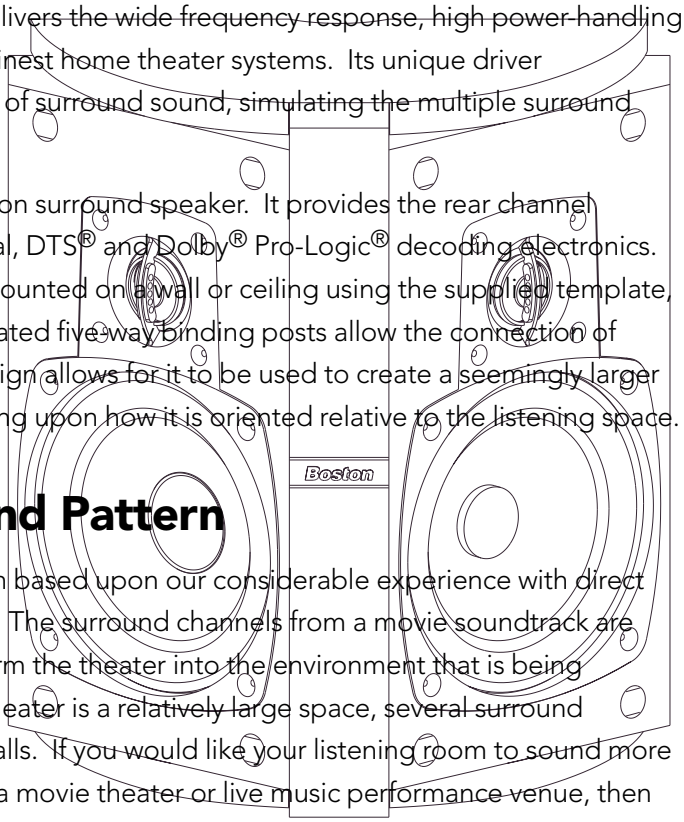
BostonAcoustics.com

Specifications

Frequency Response (±3dB)	80–20,000Hz
Recommended Amplifier Power	15–200 watts
Nominal Impedance	8 ohms
Sensitivity [1 watt (2.83v) at 1m]	90dB
Bass Unit	5¼" (135mm) copolymer
Passive Radiator	5¼" (135mm) copolymer
High-Frequency Driver	Dual 1" (25mm) VR aluminum dome with AMD
Crossover Frequency	2500Hz
Dimensions (HxWxD)	11 x 11 5/16 x 5 15/16" (279 x 286 x 151mm)
Weight/each	9 lbs (4.25kg)
Finish	Cherry wood veneer with gray grille cloth or black ash wood veneer with black grille cloth or white vinyl with white grille cloth

Description

The Lynnfield VR-MX surround speaker delivers the wide frequency response, high power-handling and placement flexibility required by the finest home theater systems. Its unique driver complement creates an enveloping sense of surround sound, simulating the multiple surround speakers found in a quality movie theater.

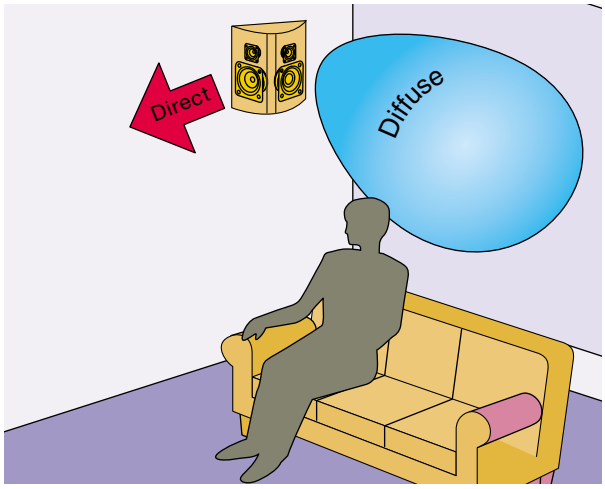


The VR-MX is a high output, wide dispersion surround speaker. It provides the rear channel surround sound effects with Dolby® Digital, DTS® and Dolby® Pro-Logic® decoding electronics. The VR-MX may be placed on a shelf or mounted on a wall or ceiling using the supplied template, mounting hardware and bracket. Gold-plated five-way binding posts allow the connection of virtually any speaker cable. Its unique design allows for it to be used to create a seemingly larger or more intimate acoustic space, depending upon how it is oriented relative to the listening space.

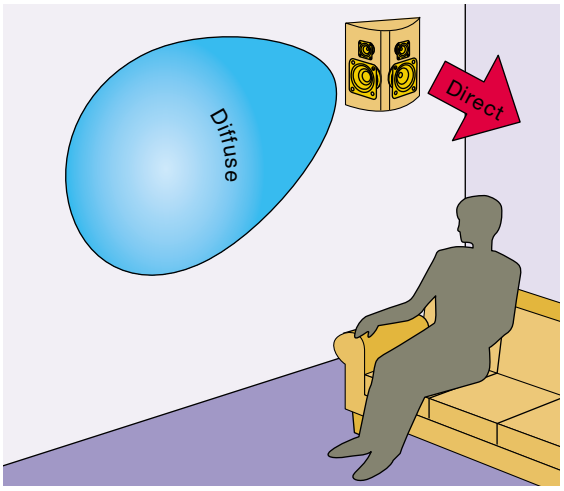
Direct vs. Diffused Sound Pattern

The VR-MX represents a product evolution based upon our considerable experience with direct and diffused radiating surround speakers. The surround channels from a movie soundtrack are designed to help the moviemaker transform the theater into the environment that is being portrayed on the screen. Since a movie theater is a relatively large space, several surround speakers are placed along the theater's walls. If you would like your listening room to sound more like a larger acoustic space and more like a movie theater or live music performance venue, then the VR-MX should be placed so that the speakers' passive radiators acoustically interact with most

of the room. This is accomplished by mounting the speaker so that the diffuse side of the arrow on the back of the speaker is aimed toward the bulk of the listening area. If you prefer the surround effects to be more discreet and localized, then you should mount the speakers so that the direct side of the arrow on the back of the speaker is aimed toward the bulk of the listening area. In either case, the best results will be obtained if the VR-MX is mounted above ear level and out at least 20 inches from the corner. However, it has been our experience that satisfactory results can be obtained with a wide variety of placement choices.



Direct Configuration



Diffuse Configuration

The VR-MX can be placed on the side or back walls, as well as hung from the ceiling. Recommended placement is above ear level on the side walls opposite the primary listening position, ideally 20 inches or more out from the back wall. However, experimentation will yield the best possible results for every room. If possible, permanent mounting of the VR-MX should only be done after the optimum location is determined.

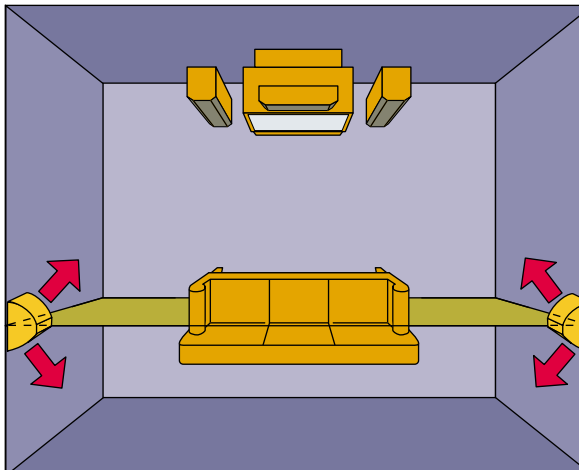
In general, surround speakers are either directional or diffuse. Directional surround speakers provide a high degree of localization, and are considered best for music. Diffuse surround speakers are difficult to localize, and are considered best for movies. The VR-MX can be used in either manner. The VR-MX surround speaker is shipped in mirror-image pairs. Refer to the label on the back of the VR-MX to assist you in placing the speakers for the desired result (see the label picture on page 5). After mounting the wall brackets, experimentation between direct and diffused patterns can be easily achieved simply by swapping the right and left speakers.

MOUNTING TIPS: Use the supplied template to aid in positioning the mounting bracket. At least 4 inches of clearance is required between the top of the template and the ceiling. Please take care that the mounting brackets are attached securely to the chosen surface. Toggle bolts are supplied for use on drywall or hollow plaster walls. Alternatively, you may wish to obtain wood screws for wood or wall studs, molly bolts or screw anchors for drywall or plaster walls, or masonry anchors for masonry walls. You can also just place the speakers to sit upright on a shelf or other flat surface. In this case, be sure to use the supplied self-adhesive rubber feet to prevent any possible slippage.

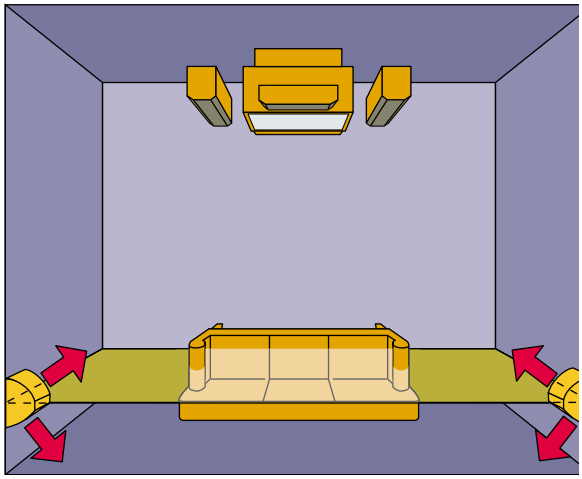
Room Placement

Room placement is one of the most important factors contributing to the quality of home theater sound. Take a few minutes to place your speakers correctly to ensure they will sound their best.

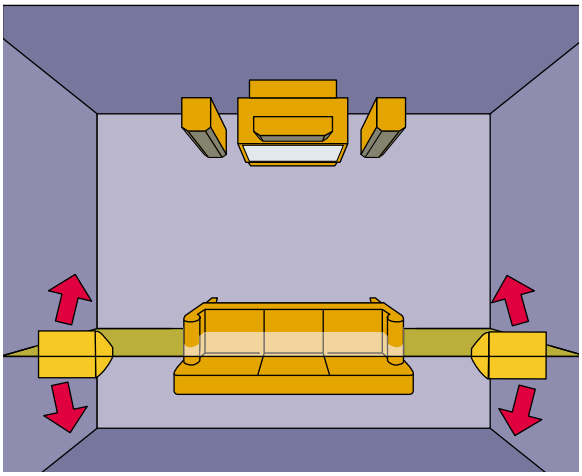
Place the VR-MX speakers on either side of the listening area.

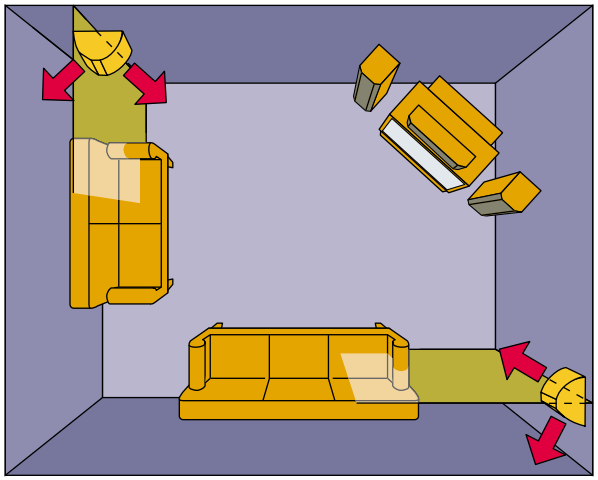


If the listening position is against the wall, place the speakers to either side, no less than 20" (50cm) from the rear wall.



One or both of the VR-MX speakers may be hung from the ceiling. Make sure the DIRECT or DIFFUSE arrows on the rear label points to the listening area for your desired effect.





If the viewing area is in a corner, the speakers may be placed to either side on adjacent walls.

IMPORTANT: Your speakers have been packed as a DIRECT or DIFFUSE matched set. Make sure that each speaker is mounted on the desired side, with the active bass driver (smaller dust cap) pointing to the listening area for a DIRECT sound field or the passive bass driver (larger dust cap) pointing to the listening area for a DIFFUSE sound field. The end result is that the DIRECT and DIFFUSE arrows on the back of each speaker will be pointing in the same direction on either side of the room.

SOUND RADIATION ORIENTATION LABELS

These labels are located on the rear of each VR-MX. Note that the speakers are configured as mirror imaged pairs.

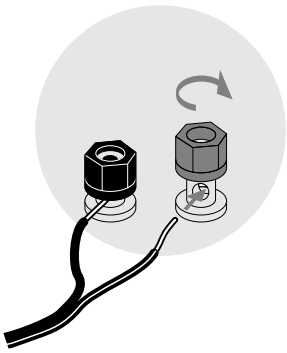
Boston VR-MX
Wide Dispersion Surround Speaker
Boston Acoustics, Inc. Peabody, MA 01960
Made in USA 8 ohms
SOUND RADIATION
DIFFUSE
DIRECT
Consult manual for orientation best suited to your listening environment.
For DIFFUSE Field Surround Effects:
Position VR-MX with DIFFUSE arrow facing the listening area.
For DIRECT Radiating Surround Effects:
Position VR-MX with DIRECT arrow facing the listening area.
PZ 000101 A

Boston VR-MX
Wide Dispersion Surround Speaker
Boston Acoustics, Inc. Peabody, MA 01960
Made in USA 8 ohms
SOUND RADIATION
DIRECT
DIFFUSE
Consult manual for orientation best suited to your listening environment.
For DIRECT Radiating Surround Effects:
Position VR-MX with DIRECT arrow facing the listening area.
For DIFFUSE Field Surround Effects:
Position VR-MX with DIFFUSE arrow facing the listening area.
PZ 000101 B

Connecting Your VR-MX Speakers

Connect the speaker's terminals to those on the amplifier or receiver designated for "surround" or "rear channel effects." Maintain consistency of the **+** (red) and **–** (black) connections by using the markings on the wire. Connect the ribbed side to the **+** (red) terminals and the smooth side to the **–** (black) terminals.

WARNING: To prevent electrical shock, always switch off the amplifier or receiver when making connections to the speaker.



Using the five-way binding posts: The binding posts permit easy connection to pins, spade lugs, bare wire and cable banana plugs. The metal surfaces are plated with 24K gold to resist corrosion. NOTE: Most dual banana plugs will not fit behind a flush wall mount installation, however single wire banana plugs should fit.

Wall or Ceiling Mounting Your VR-MX Speakers

The VR-MX is designed to be mounted directly onto a wall or ceiling. First attach the eight supplied self-adhesive felt pads, one on the back of each corner of both speakers. Then attach the bracket to the wall or ceiling and slide the speaker on to the bracket as shown below and on the next page.

You may run wires to the speakers on the wall surface or behind the wall. Use the recessed area on the back of the speaker to accommodate the wire slack.

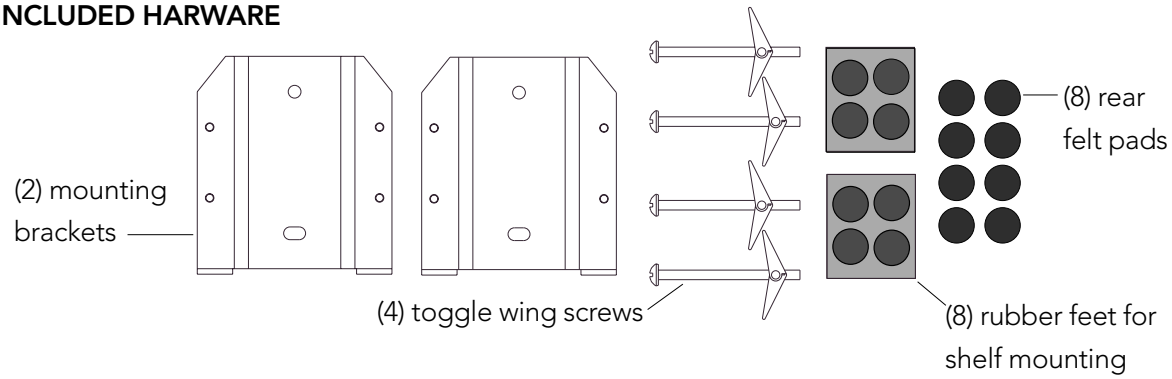
Mounting on drywall, paneling or other hollow surfaces: Use the 6-32 x 2" machine screws and toggle wings provided. The toggle wings require a ½" (12mm) hole.

Mounting on wood and other solid surfaces:
Use a #6 or #8 wood screw.

Mounting on masonry, adobe and similar surfaces: Consult a knowledgeable installer about proper hardware. You will obtain best results with #6 or #8 wood screws.

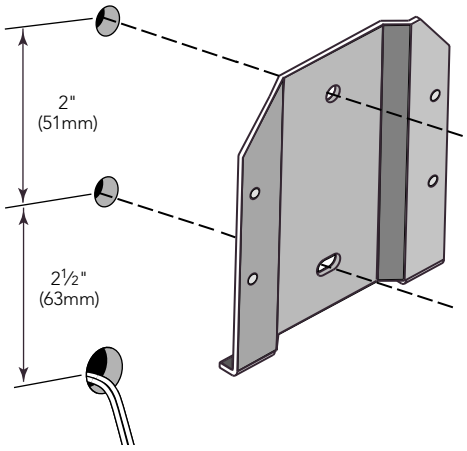
IMPORTANT: Your speakers have been packed as a DIRECT or DIFFUSE mirror imaged matched set. Make sure that each speaker is mounted on the appropriate side to yield the desired surround effect (see "Direct vs. Diffuse Sound Pattern" on pages 2 and 3). The arrows on the back of each speaker indicate the DIRECT or DIFFUSE radiation pattern (see label picture on page 5).

INCLUDED HARWARE

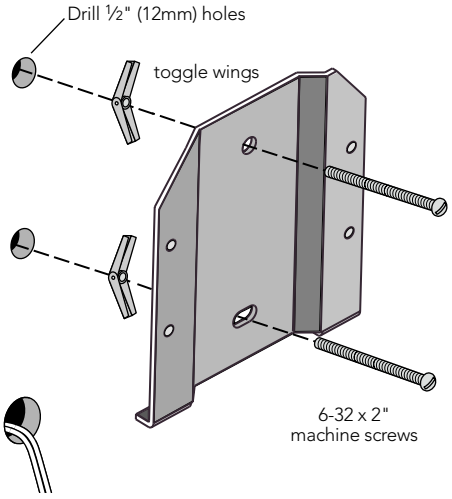


MOUNTING

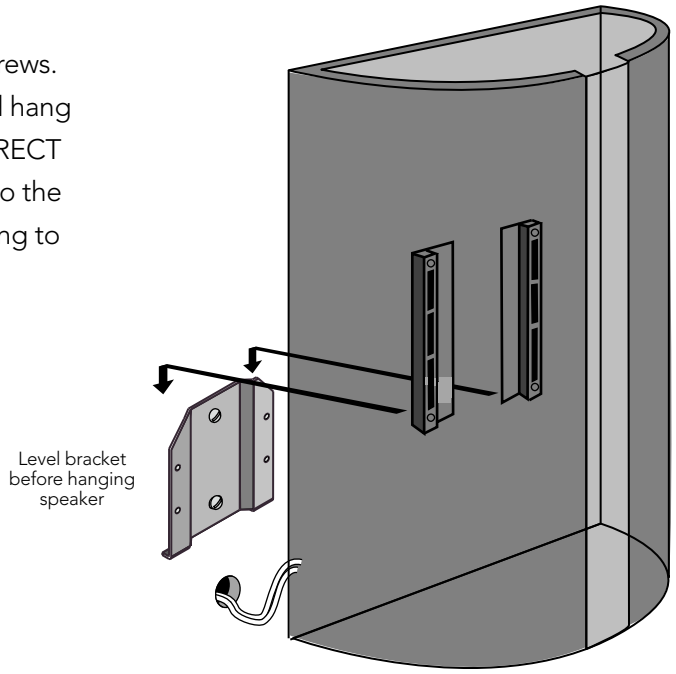
1. Mark off the two bracket mounting holes using the VR-MX Mounting Template provided. If running wires behind the wall, then also mark off a ½" (12mm) hole located at 2½" (63mm) below the lower bracket hole. This hole is also positioned on the template.



2. Drill all holes as indicated. Insert the machine screws through the bracket and thread them onto the toggle wings before penetrating the wall. Push the toggle wings through the holes in the wall.



3. Level the bracket and tighten the screws. Connect the wires to the terminals and hang the speaker on the brackets, so the DIRECT or DIFFUSE arrow on the label points to the front of the home theater area according to your preference (see page 3).



Listening Levels and Power Handling

IMPORTANT: Adjusting Listening Volume. To obtain the best home theater effect, balance the sound level of each speaker. Home theater systems contain a test signal that simplifies this procedure. Refer to the instructions provided with your surround sound electronics.

The power recommendation for the speaker assumes the amplifier is not overdriven, which, over a long period, can damage even our rugged speakers. If you hear a harsh, gritty noise on peak levels, turn down the volume control. Prolonged or repeated operation with a distorted signal from the amplifier can cause damage to the speakers, which is not covered by the warranty.

Limited Warranty

For five years from the date of purchase, Boston Acoustics will repair for the original owner any defect in materials or workmanship that occurs in normal use of the speaker system, without charge for parts and labor.

Your responsibilities are to use the system according to the instructions supplied, to provide safe and secure transportation to an authorized Boston Acoustics service representative and to present proof of purchase in the form of your sales slip when requesting service.

Excluded from this warranty is damage that results from abuse, misuse, accidents, shipping or repairs or modifications by anyone other than an authorized Boston Acoustics service representative.

This warranty is void if the serial number has been removed or defaced.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

If Service Seems Necessary

First, contact the retailer from whom you purchased the speaker. If that is not possible, write to:

Boston Acoustics, Inc., 300 Jubilee Drive, Peabody, MA 01960.

Send us:

1. Your name, address and daytime telephone number.
2. When and where you purchased the speaker system and a copy of your sales slip.
3. Makes/models of your signal sources and amplifier.
4. Description of the problem.
5. Whether you have the original carton and fillers or need new ones.

We will promptly advise you of what action to take. If it is necessary to return your speaker to the factory, please ship it prepaid. After it has been repaired, we will return it freight prepaid in the U.S. and Canada.

Boston
BostonAcoustics.com
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978-538-5000

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